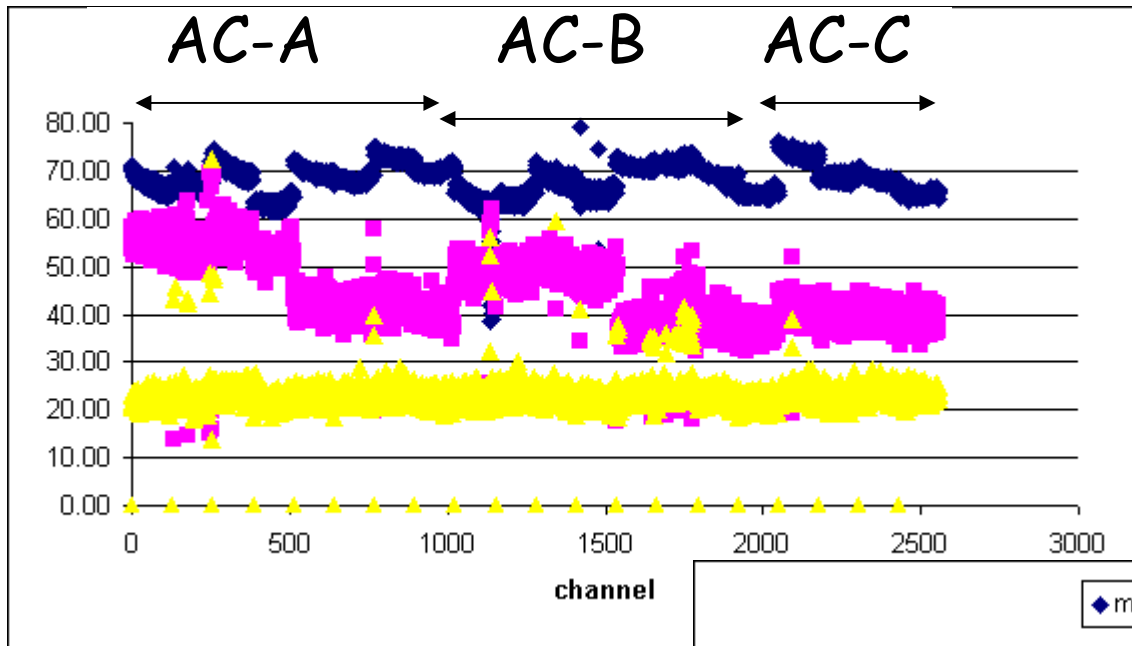
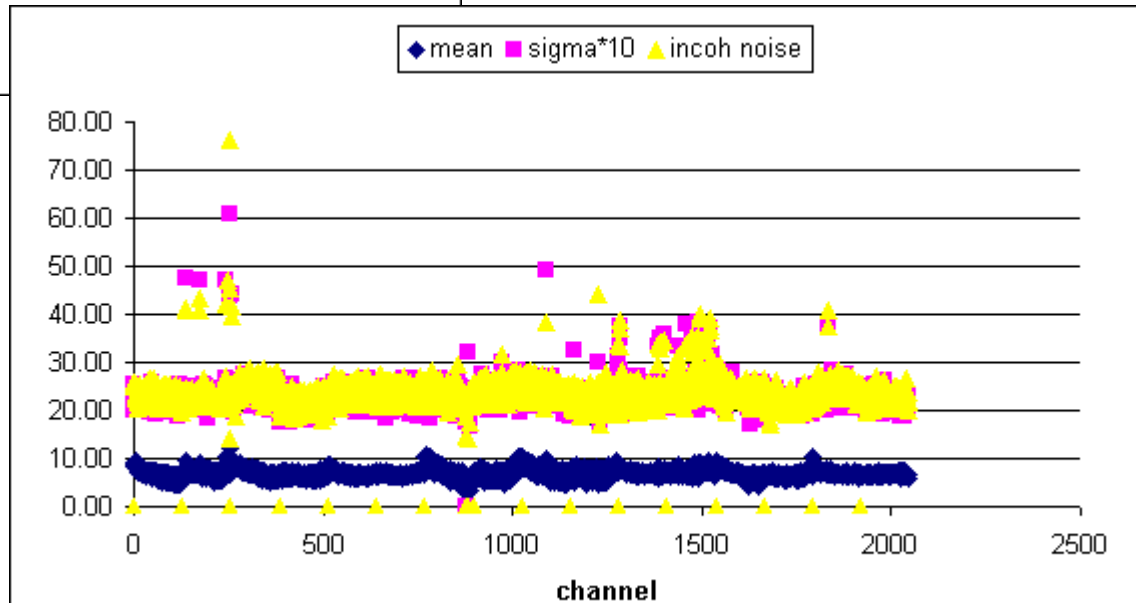


Noise Level



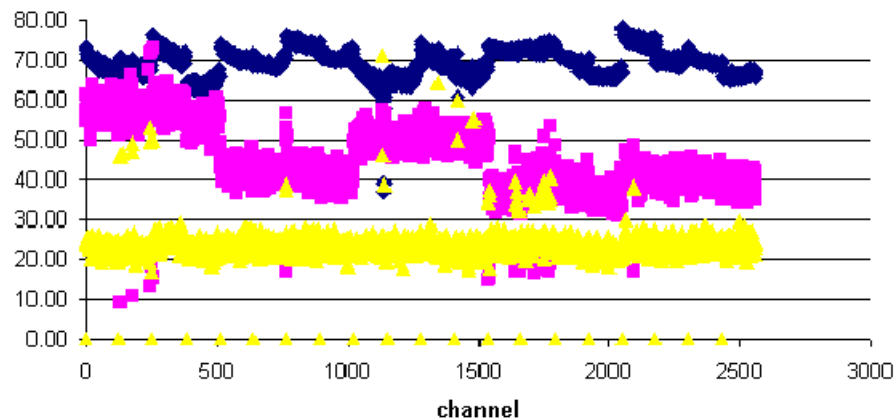
- huge pick-up observed

RTPS is
turned on

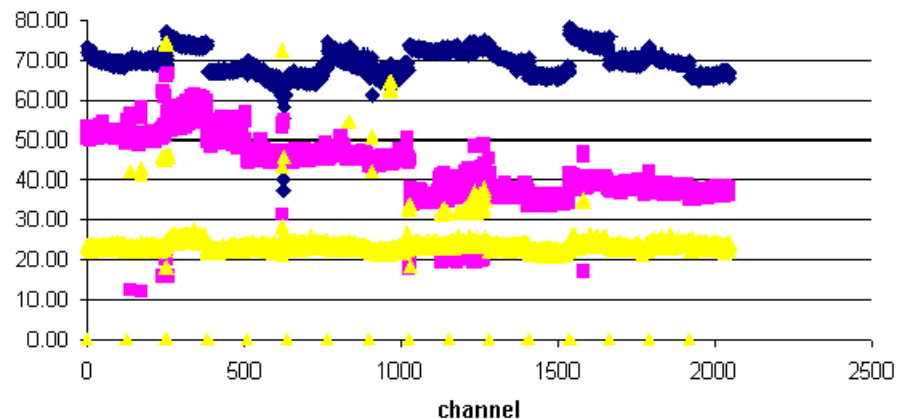


Module or AC dependence ?

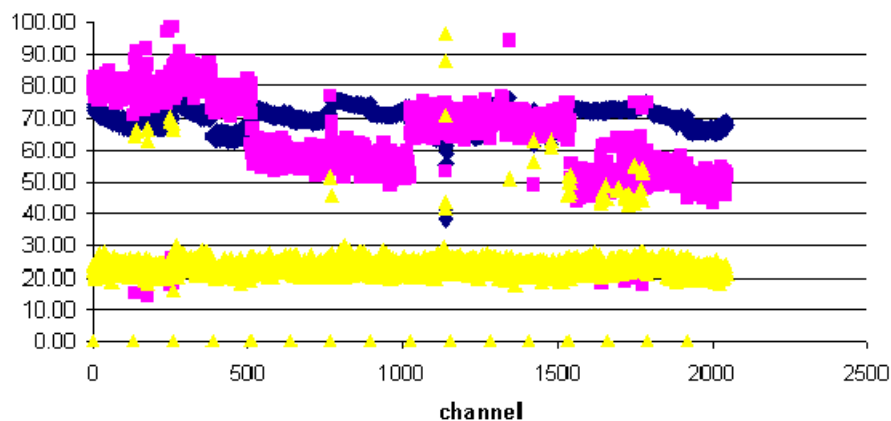
all 10 modules



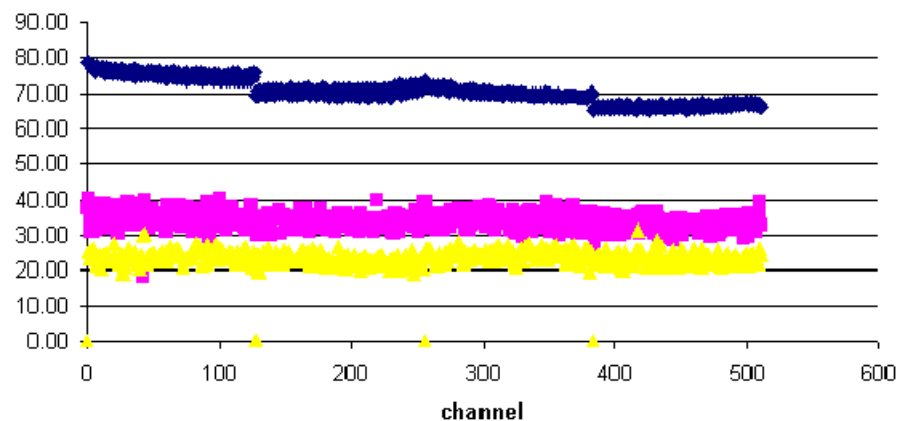
1,2,5,6,7,8,9,10



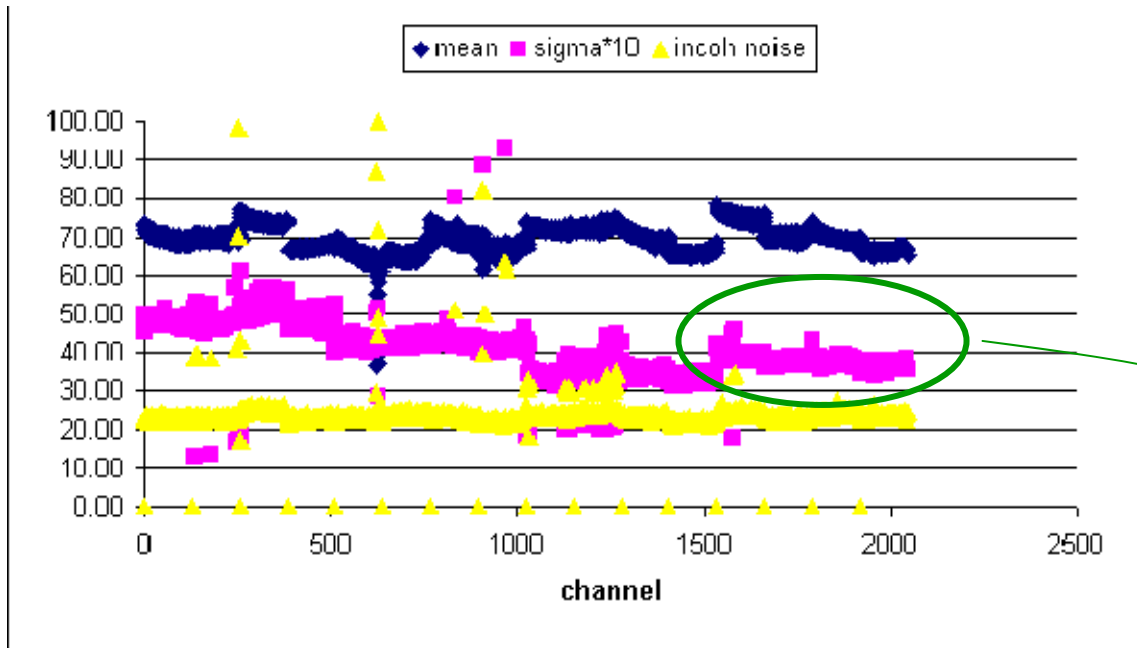
1,2,3,4,5,6,7,8



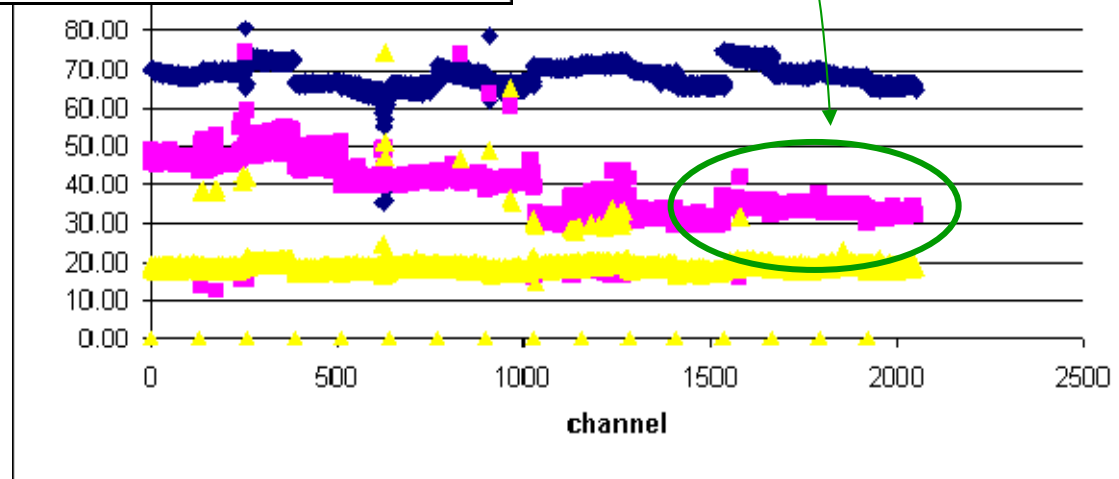
9,10



Inductance between JC and hybrid?



- removed coil shape of twisted pair cables

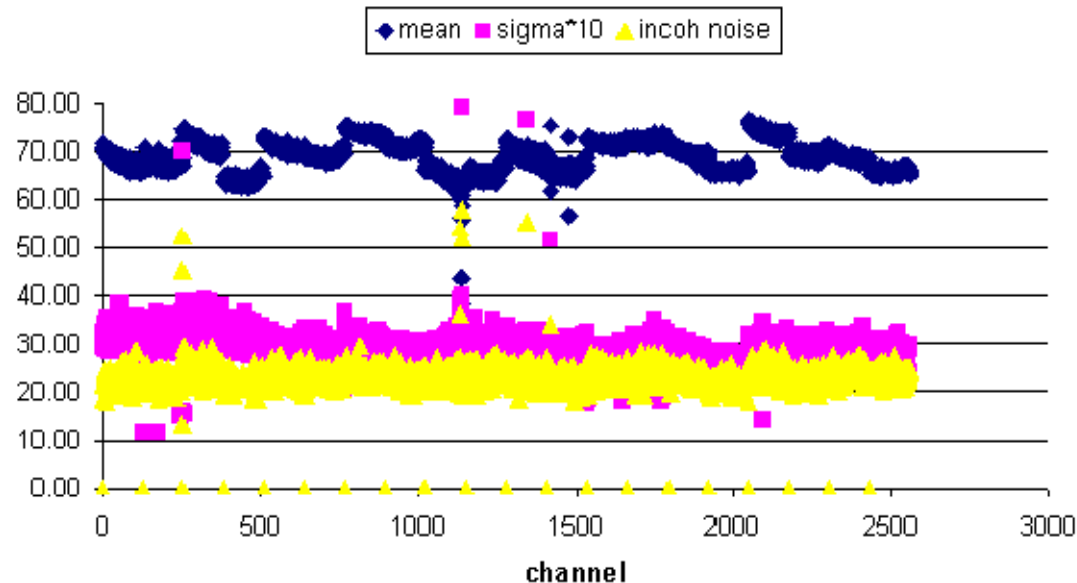


Strange behavior

- Depending on the jumper configurations for bias in interface board, the bias voltage cannot be set properly - drift gradually and reaches to zero eventually
- Potential difference observed among the common(!) ground of AC

After AC replacement

- AC-A: remains the same
- AC-B: new AC with the clock amplitude regulations
- AC-C: use the one in AC-B in the old configuration



Summary

- We don't understand the source of the pick-up noise
- It has gone after replacing the AC's - doesn't make sense logically
 - bad connections somewhere?
 - potential difference also seems to disappear
- The current 10+2 channels can be used for A-layer testing